The most important benefits:

- Maintenance free operation
- Low operation costs
- Completely non invasive, no shut down of production process necessary

Saves on water, fuel and energy consumption
- Short term payback of investment
- Production levels will rise
- Environmentally friendly.

HARD WATER...

THE PROBLEMS

Scaling costs companies each year millions in down time, lost production, early replacement of capital equipment and increased energy usage. Companies are under increasing pressure not only to cut costs and become more efficient, but to do so in environmentally friendly ways. Compounding this problem is the public’s increasing focus on environmental concerns and the ever-expanding government legislation in this area.

THE SOLUTION

To aid in the solution of this dilemma, Scalewatcher systems have been developed from many years of experience in treating scaling problems throughout the world. They are specifically designed to provide today’s industry with an effective proactive and environmentally friendly alternative to chemical scale build-up prevention or mechanical de-scaling. Companies find that solving their scaling problems with a Scalewatcher provides the benefits of scale prevention and reduction of old scale layers without the disadvantages of traditional methods. In addition to preventing scale build-up in boilers and cooling towers, Scalewatcher has also eliminated scaling problems in compressors, water-fed plant and machinery, steam ovens, de-inking plants, liquor lines of paper mills, condensers and air conditioning plants. Lime scale, gypsum and bacterial scaling are examples of deposits which have been treated. The Scalewatcher can be installed and removed from a system without opening the pipe. Making installation, operation and testing very easy.

The cost of scale build-up
Percentage increase in fuel costs due to scale build-up in an average water system.

Heating scale wastes money.
A scale layer on flame pipes of a steam boiler will increase fuel consumption.

Field reports show
Other benefits & savings

- It reduces the use of chemicals.
- The treatment reduces corrosion.
- Rust in iron pipes will be converted to Magnetite.
- Slime (biofilm) in heat exchangers or cooling towers will disappear.
- Surface tension of water will decrease.
- Minute traces of H₂O₂ may form.
- May inhibit algae grow.

On energy:
- Hot water boilers
- Steam boilers
- Chillers
- Heat exchangers
- On water:
  - Cooling towers
  - Sprinkler systems
  - Steam boilers

Tested & proven

We started as the pioneering market leaders in electronic water conditioners for home and industry back in 1989. Since then numerous units have been installed in the following industrial sectors with good performance:

- Paper manufacturers
- Steel manufacturers
- Food and beverage
- Chemical Industry
- Sugar refineries
- Oil production
- Waste water treatment
- Slaughterhouses
- Power plants
- Cement plants
- Cable factories
- Plastic molding
- Textile factories
- Municipal water suppliers
- Large buildings
- Shipping

Protect equipment - Reduce maintenance & down time - Prevent & eliminate scale

- Water heaters
- Evaporative coolers
- Reverse osmosis systems
- Pumps
- Valves
- Boilers
- Radiators
- Irrigation & Misting systems
- Heat exchangers
- Pipe lines
- Municipalities
- Oil coolers
- Cooling pads
- Chillers
- Flame pipes
- Aerators
- Oil pipe lines
- Condensers
- Centrifuges
- Belt presses
- Zebra mussels
- Scrubbers
- Compressors

QUALITY SERVICE - BACKUP & EXPERIENCE

Effectively developing and supporting new technology calls for an understanding of the application. Scalewatcher’s success stems from its commitment to the elimination of scale since 1989. More importantly, this experience was gained by working directly with customers from all sectors of industry. Many of the applications often required Scalewatcher units to be tailored to the customers individual needs, e.g. the safe use in explosive atmospheres, or for treatment of fluid streams containing alternate mineral ions such as ferric aluminum, sulfate, calcium oxalate, silicates, seawater etc...

Savings will be beyond imagination when Governments enforce this type of water treatment.

The preferred solution to hard water and corrosion problems.